STATUS OF THE CLAIM

1. (withdrawn) A nucleic acid comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO:1 and sequences hybridizable to SEQ ID NO:1 under low stringency conditions, wherein said nucleic acid contains sequences derived from at least two mammalian sources and causes mammary specific gene expression.

2. (withdrawn) A vector comprising the nucleic acid sequence of Claim 1.

3. (withdrawn) The vector of Claim 2, wherein said vector is a retroviral vector.

4. (withdrawn) A host cell comprising the vector of Claim 2.

5. (withdrawn) A nucleic acid comprising a nucleic acid sequence selected from the group consisting of SEQ ID NO:2 and sequences hybridizable to SEQ ID NO:2 under low stringency conditions, wherein said hybridizable sequence comprises ATG sequences that have been mutated at at least one of the positions corresponding to nucleic acid residues 4, 112, 131, and 238 of SEQ ID NO:2.

6. (withdrawn) A vector comprising the nucleic acid sequence of Claim 5.

7. (withdrawn) The vector of Claim 6, wherein said vector is a retroviral vector.

8. (withdrawn) A host cell comprising the vector of Claim 6.

9. (withdrawn) A retroviral vector comprising at least one Pre-mRNA Processing Enhancer element.

10. (withdrawn) The vector of claim 9, wherein said Pre-mRNA Processing Enhancer element is selected from SEQ ID NO:2 and sequences hybridizable to SEQ ID NO:2 under medium stringency conditions.

11. (withdrawn) The vector of claim 9, wherein said Pre-mRNA Processing Enhancer element is a WPRE element.

12. (withdrawn) A nucleic acid sequence encoding an IRES coding sequence and a signal peptide coding sequence, wherein said IRES and signal peptide coding sequences are adjacent to one another.

13. (withdrawn) The nucleic acid of Claim 12, wherein said signal peptide is selected from the group consisting of alpha-casein, human growth hormone, and alpha-lactalbumin signal peptides.

14. (withdrawn) A vector comprising the nucleic acid sequence of Claim 12.

15. (withdrawn) The vector of Claim 14, wherein said vector is a retroviral vector.

16. (withdrawn) A host cell comprising the vector of Claim 14.

17. (withdrawn) A method for producing a protein of interest comprising:

a) providing

i) a host cell; and

ii) a vector comprising at least one exogenous gene encoding a protein operably linked to a bovine/human hybrid alpha-lactalbumin promoter; and

b) introducing said vector to said host cell under conditions such that expression of said protein encoded by said exogenous gene is expressed.

18. (withdrawn) The method of claim 17, wherein said vector further comprises a mutant RNA export element comprising SEQ ID NO:2.

19. (withdrawn) The method of claim 17, wherein said vector comprises at least two exogenous genes.

20. (withdrawn) The method of claim 19, wherein said at least two exogenous genes are arranged in a polycistronic sequence separated by an internal ribosome entry site/bovine alpha-lactalbumin promoter signal peptide.

21. (currently amended) A method for producing an immunoglobulin comprising:

a) providing

i) a host cell; and

ii) a pseudotyped retroviral vector comprising a first exogenous ~~gene~~ coding sequence and a second exogenous ~~gene~~ coding sequence, wherein said first exogenous ~~gene~~ coding sequence encodes a first immunoglobulin chain and wherein said second exogenous ~~gene~~ coding sequence encodes a second immunoglobulin chain and wherein said first and said second ~~genes~~ coding sequences are separated by an internal ribosome entry site; and

b) introducing said pseudotyped retroviral vector to said host cell under conditions such that said first immunoglobulin chain and said second immunoglobulin chain are expressed, wherein said first immunoglobulin chain and said second immunoglobulin chain are expressed at a ratio of about 0.9:1.1 to 1:1.

22. (original) The method of claim 21, wherein one of said first immunoglobulin chain and said second immunoglobulin chain is an immunoglobulin light chain and wherein the other of said first immunoglobulin chain and said second immunoglobulin chain is an immunoglobulin heavy chain.

23. (original) The method of Claim 22, wherein said heavy chain is selected from the group consisting of γ, α, μ, δ, or ε heavy chains.

24. (original) The method of Claim 22, wherein said light chain is selected from the group consisting of κ and λ light chains.

25. (original) The method of Claim 21, wherein said immunoglobulin is a secretory immunoglobulin.

26. (canceled).

27. (canceled).

28. (original) The method of claim 21, wherein said vector further comprises a bovine/human hybrid alpha-lactalbumin promoter.

29. (canceled).

30. (withdrawn) An antibody produced by the method of claim 21.

31. (canceled).

32. (canceled).

33. (canceled)

34. (previously presented) The method of Claim 21, wherein said vector comprises a nucleic acid sequence encoding signal peptide sequence operably linked to said internal ribosome entry site, wherein the second codon of said signal peptide sequence is GCC.

35. (currently amended) A method for producing an immunoglobulin comprising:

a) providing

i) a host cell; and

ii) a vector comprising a first exogenous ~~gene~~ coding sequence and a second exogenous ~~gene~~ coding sequence, wherein said first exogenous ~~gene~~ coding sequence encodes a first immunoglobulin chain and wherein said second exogenous ~~gene~~ coding sequence encodes a second immunoglobulin chain and wherein said first and said second ~~genes~~ coding sequences are separated by an internal ribosome entry site operably linked to a nucleic acid sequence encoding a signal peptide sequence, wherein the second codon of said signal peptide sequence is GCC; and

b) introducing said vector to said host cell under conditions such that said first immunoglobulin chain and said second immunoglobulin chain are expressed, wherein said first antibody chain and said second antibody chain are expressed at a ratio of about 0.9:1.1 to 1:1.

36. (previously presented) The method of claim 35, wherein one of said first immunoglobulin chain and said second immunoglobulin chain is an immunoglobulin light chain

and wherein the other of said first immunoglobulin chain and said second immunoglobulin chain is an immunoglobulin heavy chain.

37. (previously presented) The method of Claim 36, wherein said heavy chain is selected from the group consisting of γ, α, μ, δ, or ε heavy chains.

38. (previously presented) The method of Claim 36, wherein said light chain is selected from the group consisting of κ and λ light chains.

39. (previously presented) The method of Claim 35, wherein said immunoglobulin is a secretory immunoglobulin.

40. (Previously presented) The method of Claim 35, wherein said vector is selected from the group consisting of a retroviral vector and a plasmid vector.

41. (Previously presented) The method of Claim 40, wherein said retroviral vector is a pseudotyped retroviral vector.